

AMENDMENTS TO THE SPECIFICATION

Amend paragraph 61 beginning on Page 18 as follows:

[0061] As best seen in Fig. 17, the sensor 100 also includes a sorbent layer 106 deposited upon the sensing surface 56. The sorbent layer is selected to absorb a specific measurand that may be present in the environment being sensed. In the preferred embodiment, the sorbent layer has a thickness of approximately 100 Å. As the measurand is absorbed into the sorbent layer 106, the mechanical and/or electrical properties of the sorbent layer change, causing a shift in the sensor resonant frequency, f_s . The shift in the resonant frequency is then correlated to a characteristic of the measurand. Thus, the sensor 100 may be used to detect the presence of a specific compound within either a gas or a liquid. For example, for when the measurand is a gas, namely H₂S, the sorbent layer would be formed from tungsten trioxide (WO₃) doped with gold.